



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

April 6, 2000

MEMORANDUM

SUBJECT: Review of Acifluorfen Sodium Incident Reports
DP Barcode D264815, Chemical #114402

FROM: Jerome Blondell, Ph.D., Health Statistician
Chemistry and Exposure Branch 1
Health Effects Division (7509C)

Monica F. Spann, M.P.H., Environmental Health Scientist
Chemistry and Exposure Branch 1
Health Effects Division (7509C)

THRU: Francis B. Suhre, Senior Scientist
Chemistry and Exposure Branch 1
Health Effects Division (7509C)

TO: Kit Farwell, Veterinary Medical Officer
Reregistration Branch I
Health Effects Division (7509C)

BACKGROUND

The following data bases have been consulted for the poisoning incident data on the active ingredient Acifluorfen Sodium (PC Code:114401):

1) OPP Incident Data System (IDS) - reports of incidents from various sources, including registrants, other federal and state health and environmental agencies and individual consumers, submitted to OPP since 1992. Reports submitted to the Incident Data System represent anecdotal reports or allegations only, unless otherwise stated. Typically no conclusions can be drawn implicating the pesticide as a cause of any of the reported health effects. Nevertheless, sometimes with enough cases and/or enough documentation risk mitigation measures may be suggested.

2) Poison Control Centers - as the result of a data purchase by EPA, OPP received Poison Control Center data covering the years 1993 through 1996 for all pesticides. Most of the national Poison Control Centers (PCCs) participate in a national data collection system, the Toxic Exposure Surveillance System which obtains data from about 65-70 centers at hospitals and universities. PCCs provide telephone consultation for individuals and health care providers on suspected poisonings, involving drugs, household products, pesticides, etc.

3) California Department of Pesticide Regulation - California has collected uniform data on suspected pesticide poisonings since 1982. Physicians are required, by statute, to report to their local health officer all occurrences of illness suspected of being related to exposure to pesticides. The majority of the incidents involve workers. Information on exposure (worker activity), type of illness (systemic, eye, skin, eye/skin and respiratory), likelihood of a causal relationship, and number of days off work and in the hospital are provided.

4) National Pesticide Telecommunications Network (NPTN) - NPTN is a toll-free information service supported by OPP. A ranking of the top 200 active ingredients for which telephone calls were received during calendar years 1984-1991, inclusive has been prepared. The total number of calls was tabulated for the categories human incidents, animal incidents, calls for information, and others.

ACIFLUORFEN SODIUM REVIEW

I. Incident Data System

There were no reported cases of incidents related to acifluorfen sodium in the Incident Data System where it alone was responsible for an incident.

II. Poison Control Center Data - 1993 through 1996 - No Data

III. California Data - 1982 through 1996 - No Data

IV. National Pesticide Telecommunications Network

On the list of the top 200 chemicals for which NPTN received calls from 1984-1991 inclusively, acifluorfen sodium was not reported to be involved in human incidents.

VI. Conclusions

No information is available on incidents related to the use of acifluorfen sodium from any of the available data sources consulted by the Health Effects Division. Little or no usage has been reported for this pesticide, either in surveys of home use or agricultural use in California.

VII. Recommendations

No recommendations can be made given the absence of use and incident information for acifluorfen sodium.

cc: Correspondence
Acifluorfen Sodium file (chemical no. 114401)